

FIG. 1

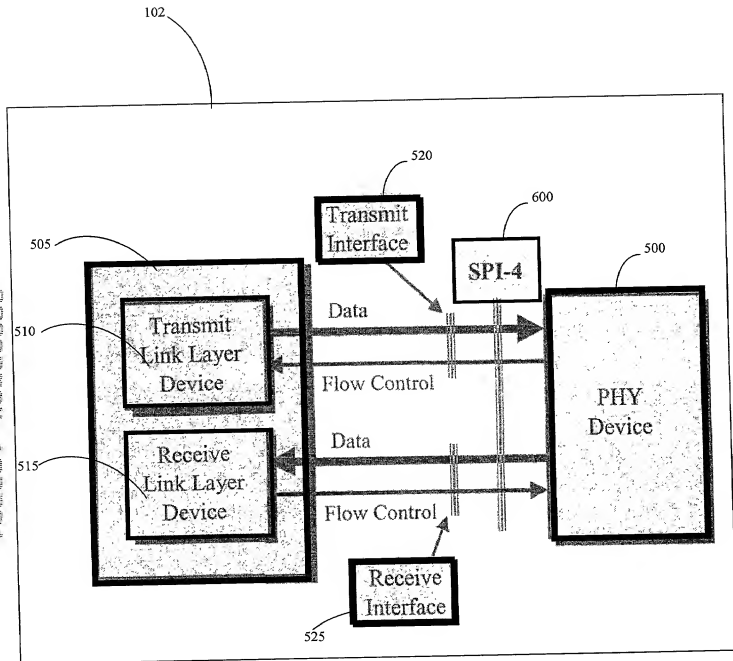


FIG. 2

START

200

Receive cells
of the packet

205

Assemble the
Cells of the
packets
sequentially.

210

Remove header
from header cell
and count
the no. of bytes
in header

220

Count the no.
of bytes in the
header cell

230

Is the no. of
bytes remaining in
the header cell a multiple
of a predetermined
number?

YES

235

Transfer the
cells to the
buffer

NO

240

Add null bytes
to the header cell
and tag cell
with Status ID

A

B

FIG. 3A

09982794.102201

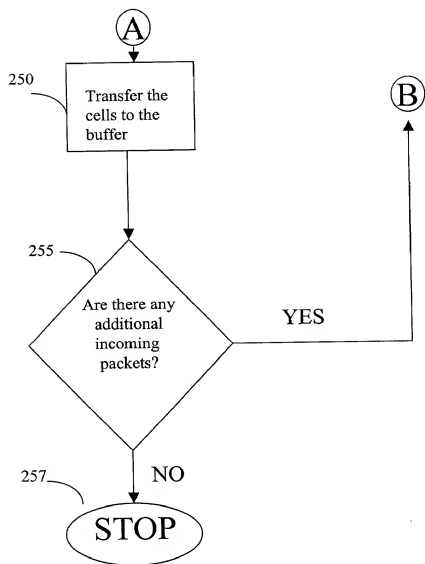


FIG. 3B

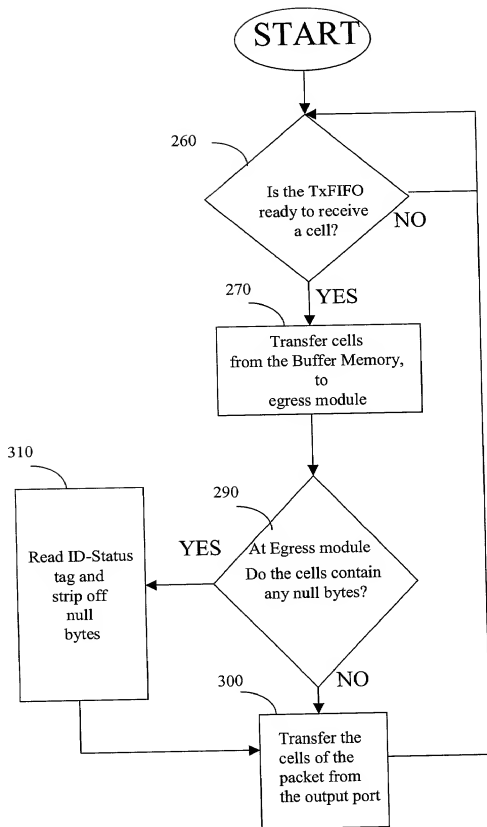


FIG. 3C

2002-2003

MAC Header Word 1

[illegible]

Bit	Name	Description
31	Error	0: Frame contains no MAC-detectable error 1: Frame contains error - See E_Status for detail
30-29	E_Status	00: reserved 10: L3 Header Checksum Error 11: L3 IP Header TTL<=1

FIG. 4A

28~26	IP_Type	IP (Layer 4) Protocol Type 000: TCP 001: UDP 010: ICMP 011: IGMP 100 ~ 110: reserved 111: Other - Not Recognized
25~22	L3_Type	Layer 3 Frame Type - Please note that for bit 25= (IP type) bit 23 signifies option field use, and bit 22, fragmentation. 0000: IPv4 - Not Fragmented and No Option Field in Use 0001: IPv4 - Fragmented and No Option Field in Use 0010: IPv4 - Option Field in Use 0011: IPv4 - Fragmented and Option Field in Use 0100 ~ 1110: reserved 1111: Other - Not Recognized
21~16	L3_TOS_Diff	Value of IP TOS/Diffserv field content.
15	MPLS Status	MPLS Label Status 0: No Label Stack 1: MPLS Label Present
14	L2_VTAG	802.1Q VLAN Tag Status 0: No VLAN Tag 1: VLAN Tag Present
13~11	L2 Priority	Value of 802.1Q VLAN Priority from Tag or default Please note if Token Ring, FDDI MAC is implemented, this value is copied from the MAC frame, if a tag is not available.
10~8	L2_Type	Layer 2 Frame Type 000: Ethernet Version 2 001: PPP 010: IEEE 802.3/802.2 SNAP 011: IEEE 802.3/802.2 SAP 100: reserved 101: null (raw MPLS datagram) - Ingress must specify this 110: null (raw L3 datagram) - Ingress must specify this 111: Unprocessed - All other fields are meaningless.
7~0	InPortID	Ingress Port (Channel) ID

FIG. 4B